

Lynn, quick update and site info on the air monitoring stations in/around Bridgeton, MO.

Goal: Developing an air monitoring plan to sample for landfill constituents (COC's, Radiation) prior to and during the construction of the isolation barrier (IB) being built to contain the radiologically impacted material (RIM) in OU-1, that could be impacted by the sub-surface event (SSE) or landfill fire.

Location: 5 locations for the air monitoring set up will be: Robertson Fire Protection District, 3820 Taussig Road, Bridgeton, MO (EPA office trailer location); Pattonville Fire Department Administration Building, 13900 St. Charles Rock Road, Bridgeton, MO; Pattonville Fire Department #2, 3365 McKelvey Road, Hazelwood, MO; St. Charles Fire Department #2, 1550 South Main Street, St. Charles, MO; and the Spanish Village Park, 12827 Spanish Village Drive, Bridgeton, MO.

Each station will have one or more of the following equipment: AreaRae for COC's; Summa canister for VOC's; TLD's; Particulate Monitor; E-Perms; ECAM (@ R7, waiting for the NRC license prior to use); and or Gamma Tracer for radiation monitoring. Data analysis (time frames): TLD's - monthly; particulate air samplers - weekly; E-Perms - weekly; AreaRaes - 8 hr TWA's; Summa canister - 1 - 24 hour average - weekly; Gamma Tracer, averaged hourly as uR/hr over 24 hrs and will consider this as near real-time data collection.

Admin: The recurring (weekly) expenses for START at West Lake are primarily labor and analytical expenses: Labor: \$6,700/week (Includes the cost for principals, scientist, engineers, technicians, admin staff, etc.). START staff are available on site about 7 - 10 hours/day; 5-6 days/week as needed.

Analytical: \$3,300/week (includes equipment, supplies, analytical measurement & analysis at each station, etc.).

The approximate monthly total is \$40,000 / \$500,000 annually if no problems arise (*I have not included the cost associated with EPA staff, trailer rent, electricity, internet, porta-johns, 5 ECAMs, Met stations, miscellaneous supplies, etc.*).

Data: ERT configured an automated Viper data export for the R7 Westlake Landfill deployment that will run daily at Midnight. The export will include the last 24 hours of data. We are trying to set up an automated data site that can be viewed and the data taken from that and posted to the website. Tetrattech will be doing the initial QA/QC of the data before it's uploaded to the data management system.

Received the START "draft investigation levels". The draft includes radiological and chemical parameters. Since it is a "background monitoring location" we haven't specified low-level AreaRae VOC levels.

QAPP: The QAPP is in development. EPA staff continues to "tweak" it prior to releasing it to the PRP (meetings held weekly).

ECAM: Still waiting on NRC license to possess/use radioactive materials.

Media: No items of media interests were generated at this location this week, however, an article in the St. Louis Post-Dispatch (9/5/14) cited that the IB at the Bridgeton Landfill won't undergo construction for about 18 months.

Comments: Construction was completed for a fire-fighting training facility roughly 30 feet from the EPA trailer. Met with Battalion Chief Don Miner and Assistant Fire Chief Maynard Howell of the Robertson

Fire Protection District to discuss the plans for use (EPA's & RFPD) at the RFPD #2 grassy area and concrete roadway where the EPA Command trailer now sits. The FD has plans to use this facility by 10/20/2014. The impact on EPA operations is that the trailer will have to be re-sited either here on site or move to a new location. However, the air monitoring station will still be at this location. It will be moved to the southwest corner of the RFPD#2 building at 3820 Taussig Avenue. The station will be secured, have power, be in line-of-site of the RIM area at the landfill, and will foster community relations by being visible to the public.

Currently, two locations are being investigated to place the EPA trailer on: (1) 13571 St. Charles Rock Road (to the north, just across the street from the landfill entrance), and (2) 12755 St. Charles Rock Road (to the northeast, about a 1/4 mile from the landfill entrance). Both locations offer easy access, power, security and public visibility.

Let me know what else you may need.